



HB 31/11/89

# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 48] नई दिल्ली, शनिवार, 26, 1988 (अग्रहायण 5, 1910)

No. 48] NEW DELHI, SATURDAY, NOVEMBER 26, 1988 (AGRAHAYANA 5, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 26th November 1988

#### ADDRESS AND JURISDICTION OF OFFICE OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territories jurisdiction on a zonal basis as shown below :—

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Todi Estates,  
III Floor, Lower Parcel (West),  
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra,  
and Madhya Pradesh, and the Union  
Territories of Goa, Daman and Diu  
and Dadra and Nagar Haveli.

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Sarsawati Marg, Karol Bagh,  
New Delhi-110 005.

Telegraphic address "PATENTOFIC",  
1-347 GI/88

The States of Haryana, Himachal  
Pradesh, Jammu and Kashmir, Punjab,  
Rajasthan and Uttar Pradesh and  
the Union Territories of Chandigarh  
and Delhi.

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh,  
Karnataka, Kerala, Tamilnadu,  
and the Union Territories of  
Pondicherry, Laccadive, Minicoy  
and Aminidivi Islands.

Patent Office, (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents  
or any fees required by the Patents Act, 1970 or the Patents  
Rules, 1972 will be received only at the appropriate Offices  
of the Patent Office.

Fees :—The fees may either be paid in cash or may be  
sent by Money Order or Postal Order, payable to the Con-  
troller at the appropriate Offices or by bank draft or cheque,  
payable to the Controller drawn on a scheduled bank at the  
place where the appropriate office is situated.

**CORRIGENDA**

1. In the Gazette of India, Part III, Section 2, dated 6th August, 1988 under the Heading "Application filed in the Patent Office Branch, Bombay-400 0013" on page 752

(i) 147/BOM/1988 The title of the invention read as "PROCESS FOR SPECIAL BLANK MAKING FOR METAL PROCESSING IN SOLID STATE".

(ii) 154/BOM/88 and 155/BOM/88—The name of the applicant read as M. D. AGRAWAL AND KU. BHARTI AGRAWAL.

2. In the Gazette of India, Part III, Section 2, dated 27th August, '88 under the heading "Complete specification Accepted" on page No. 846—851,

(i) In respect of patent No. 163245 (190/BOM/1985) —International classification read as "G 01 F-1/100".

(ii) In respect of patent No. 163247 (217/BOM/1985) —Total No. of pages and drawing read as—Complete Specification 7 pages, Drawing-2 sheets.

(iii) In respect of patent No. 163248 (331/BOM/1985) —Name of Applicant and Inventor read as "JAMES WATSON HENDRY".

(iv) In respect of patent No. 163250 (145/BOM/1985) —In claim, in line 16 for word "OF" read as "OR".

(v) In respect of patent No. 163251 (171/BOM/1986) —In the Address of applicant for "DR. VEB GANDHI MARG" read 'DR. V. B. GANDHI MARG'.

&amp;

Name of First Inventor read as "THIRUVILWAMAI A PARAMESWARAN GOVINDAN".

(vi) In respect of patent No. 163253 (171/BOM/1985) —In the Address of Applicant & Inventor Pin Code No. read as PUNE-411 016.

(vii) In respect of patent No. 162257 (205/BOM/1985) In the title of invention for word 'SCAME' read as "SAME".

(viii) In respect of patent No. 163258 (264/BOM/1986) —In claim, in line 6 for word 'POWER' read as 'LOWER'.

(ix) In respect of patent No. 163259 (314/BOM/1986) —In claim, in line 2 for word 'OF' read 'A'.

(x) In respect of Application No. 20/BOM/1987—The patent Number read as 163261

&amp;

Title of invention read as 'A PROCESS FOR THE PREPARATION OF 2, 2-DIPHENYL-4-HYDROXY BUTYRIC ACID  $\gamma$ -LACTONE FROM - 2, 2-DIPHENYL-4-BROMOBUTYRONITRILE, and also in claim in line 2 and in line 8 for 'Y' read ' $\gamma$ '.

In the Gazette of India Part III Section 2 dated the 17th September 1988 Page No. 924 column 2 under the heading "Cessation" of Patents.

For No.	Read No.
152534	142534
152545	142545
152548	142548
152550	142550
152552	142552
152554	142554

152557	142557
152558	142558
152559	142559
152560	142560
152561	142561
152562	142562

and Delete No. 154779.

In the Gazette of India Part III, Section 2, dated 21-2-1987 Page No. 142, Column No. 2 the heading "Cessation of Patents".

Delete No. 138932

In the Gazette of India, Part III, Section 2, dated 1st August 1987, Page No. 896 Column 2, under heading "Cessation of Patents".

Delete—139775

In the Gazette of India, Part III, Section 2, dated 27th 1987, Page 700, Column 2 under heading "Cessation of Patents".

Delete—139500.

In the Gazette of India, Part III, Section 2 dated the 20th August 1988 under the heading "PATENTS SEALED" delete 160860 under 160341 and include 159860 under 159791.

**CORRIGENDUM**

In the Gazette of India, Part III, Section 2, dated the 7th May 1988 in page 371 under the heading "NO PATENTS" delete 156379.

**APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20**

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 14th October 1988

849/Cal/88. Daidotokushuko Kabushikikaisha, Sizing mill and method of rolling a round bar material.

850/Cal/88. Campaonie De Raffinage Et De Distribution Total France S.A. Apparatus for injection of a charge of hydrocarbon in a reactor for catalytic cracking.

851/Cal/88. Intersteel Technology, Inc. Apparatus for the continuous melting of a metallic charge to form a molten steel product. [Divisional date 1st Aug 1985].

852/Cal/88. Keystone International, Inc. Valve Assembly.

853/Cal/88. Franz Plassel Bahnbaumaschinen-Industriegesellschaft M.B.H. A travelling on track machine for distributing and shaping the bedding ballast of a railway track.

The 17th October 1988

854/Cal/88. Hans Adolf Schaeffer. An article for the storage and delivery of dental preparations useful in the treatment of gum disease. [Divisional dated 9th July, 1985].

855/Cal/88. Hans Adolf Schaeffer. A process for preparing a dental composition useful in combating gum disease. [Divisional date 9th July, 1985].

856/Cal/88. Hans Adolf Schaeffer. A process for preparing a dental composition useful in combating gum disease. [Divisional date 9-7-1985].

857/Cal/88. Ocutech. Method and apparatus for producing a molded article.

858/Cal/88. American Sterilizer Company. Optimum hydrogen peroxide vapor sterilization.

859/Cal/88. American Sterilizer Company. System for monitoring sterilant vapor concentration.

860/Cal/88. American Sterilizer Company. Hydrogen peroxide vapor depyrogenation process.

861/Cal/88. Satake Engineering Co., Ltd. Variable speed controllable induction motor.

862/Cal/88. Satake Engineering Co., Ltd. Variable speed controllable induction motor.

863/Cal/88. E. I. Du Pont De Nemours and Company. Improved process for the manufacture of 1, 1, 1-trifluoro-dichloroethylene and 1, 1, 1, 2-tetrafluorochloroethylene.

864/Cal/88. Pennwalt Corporation. Oxidation of thiols, disulfides and thiosulfonates.

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III RD FLOOR, KAROL BAGH, NEW DELHI-110005**

The 26th September 1988

809/Del/88. Grant Ball, Karim Lakhani and Abdul Lakhani. "Recorded selection, high speed and high quality duplication, and royalty payment apparatus and method".

(Convention date 25th September 1987) (Canada).

810/Del/88. National Council for Cement and Building Materials, "A vertical shaft kiln".

811/Del/88. National Council for Cement and Building Materials, "A dust collecting device".

812/Del/88. National Council for Cement and Building Materials, "A vertical shaft kiln for the manufacture of white cement clinker".

813/Del/88. Rajasthan Electronics & Instruments Ltd., "A solar powered television receiver".

814/Del/88. Rajasthan Electronics & Instruments Ltd., "A solar powered television receiver".

815/Del/88. Gist-Brocades N. V., "Improved fluidized bed process and apparatus".

816/Del/88. Gist-Brocades N.V., "Improved fluidized bed process and apparatus".

817/Del/88. Solvay & Cie, "Process for the preparation of an expandable vinyl plastisol".

The 27th September 1988

818/Del/88. FMC Corporation, "Gel-in-matrix containing a fractured hydrogel".

819/Del/88. Toa Nenryo Kogyo K. K., "Catalyst for olefin polymerization".

820/Del/88. Hughes Aircraft Co., "Method and apparatus for manufacturing slow-wave structures for travelling-wave tubes".

The 28th September 1988

821/Del/88. Sujoy Kumar Guha, "Portable weighing machine for infants and adults".

822/Del/88. The Secretary, Department of Science and Technology & The Director, National Aeronautical Laboratory, "A process for the preparation of terephthalamide fibres".

823/Del/88. The Secretary, Department of Science and Technology & The Director, National Aeronautical Laboratory, "A process for the preparation of terephthalamide fibres".

824/Del/88. Kapoor Chand Jain, "A coated paper".

825/Del/88. Kapoor Chand Jain, "A coated paper".

826/Del/88. Kapoor Chand Jain, "A process for coating of paper".

827/Del/88. The Rucker Co., "Bop control system and methods for using same".

828/Del/88. Alsthom, "An arc-rotating magnetic blast coil for the contact element of an electric switch".

The 29th September 1988

829/Del/88. Kameshwar Nath Mallik, "A process for the preparation of acetylene and to an acetylene torch".

830/Del/88. Mameshwar Nath Mallik, "A fuel tablet".

831/Del/88. Colgate-Palmolive Co., "Packaged dental cream".

832/Del/88. The Goodyear Tire & Rubber Co., "Method of manufacturing partially crystalline polyester articles". [Divisional date 7th January, 1986].

833/Del/88. Trevor Lonsdale Moffet & John Wesley Mc Cammon, "Needle disposal system".

834/Del/88. C. R. Bardm, Inc., "Wire guided laser catheter". [Divisional date 28th January, 1986].

The 30th September 1988

835/Del/88. Europa Metalli-LMI S.p.A., "Process for manufacturing a tubular semifinished copper alloy part".

836/Del/88. Kabushiki Kaisha Toshiba, "Repeater system".

837/Del/88. Kabushiki Kaisha Toshiba, "Broadcast data transmission systems".

**APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATE, III RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-400 013**

The 22nd September 1988

276/Bom/88. Anand Govind Bhide. A wind power converter with horizontally rotating sails, vertical shaft and automatic safety device against stormy wind.

The 29th September 1988

277/Bom/88. Rohit Harishchandra Parikh. A drive pulley or a roll for textile machineries.

The 5th October 1988

278/Bom/88. Achal Anil Bakeri. An improvement on air cooler.

279/Bom/88. Sandip Dolatchand Kothari & Pankaj Navinchand Kothari. The process of preparing 'Diamond Pasted Plastic Sheet.'

The 7th October 1988

280/Bom/88. Joaquim Antonio Valadares. An improved unbalanced turbine.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WAJLAJAH ROAD, MADRAS-600002.**

The 3rd October 1988

684/Mas/88. Raychem Limited. Preparation of organic polymers. (February 27, 1984; United Kingdom) (Divisional to Patent Application on No. 161/Mas/85).

## The 4th October 1988

685/Mas/88. K. A. Ranghachary. Officers chair switch.

686/Mas/88. K. A. Ranghachary. Wheeler cycle rickshaw.

687/Mas/88. Basf Aktiengesellschaft. Recovery of Caprolactam from caprolactam distillation low boilers or high boilers or mixtures thereof.

688/Mas/88. Owens-Illinois Plastics Product Inc. An article such as container preform, container or sheet. (Divisional Date to Patent Application No. 472/Mas/85).

689/Mas/88. Glaxo Inc. Inhalation device.

690/Mas/88. Congoleum Corporation. Embossing composition for preparing textured polymeric materials.

## The 5th October 1988

691/Mas/88. Kaliappa Gounder Subramaniam. Positive top clearer for speed frame and spinning frame.

692/Mas/88. Liaisons Electroniques-Mechaniques Lem SA. Electric current sensing device.

693/Mas/88. Enichem Agricultural s. p. A. Device for the pulsed delivery of an irrigation liquid, and irrigation facilities incorporating the same device.

694/Mas/88. State of Israel. Novel Oxathiolanes.

695/Mas/88. The Draper Felt Company, Inc. Paper maker press felt.

## The 6th October 1988

697/Mas/88. Dyneema V.o.F. Articles of highly oriented polyolefins of ultrahigh molecular weight, process for their manufacture, and their use.

698/Mas/88. Stamicarbon B. V. Process for preparing urea and water starting from ammonia and carbon dioxide.

699/Mas/88. Stamicarbon B. V. Bulletproof woven fabric.

700/Mas/88. Stamicarbon B.V. Cordage.

701/Mas/88. Dyneema V.o.F. Apparatus for the surface treatment of synthetic fibers or yarns.

702/Mas/88. Stamicarbon B. V. Composite material, process for its production, and its use.

## The 7th October 1988

703/Mas/88. Uddcholm Tooling Aktiebolag. Method relating to the decarburization of a metal melt.

704/Mas/88. Amsted Industries Incorporated. Diagonally braced railway track.

## ALTERATION OF DATE

163857.

(834/Mas/86).

Ante-dated to 25th January, 1985.

## OPPOSITION PROCEEDINGS

## (1)

The opposition entered by M/s. Orissa Cement Ltd. to the grant of a patent on application No. 149791 filed by the Associated Cement Companies Ltd. as notified in the Gazette of India, Part III, Section 2, dated the 13th November, 1982 has been dismissed and it is ordered that the application will proceed to sealing with the amendments.

## (2)

The application for Patent No. 156789 by M/s. Crompton Greaves Ltd. in respect of which an opposition was

entered by M/s. Khaitan (India) Ltd. formerly known as M/s. Khaitan Fans Pvt. Ltd. as notified in the Gazette of India, Part III, Section 2, dated 28th December, 1985 has been treated as deemed to have been abandoned.

## PATENTS SEALED

160227	161288	161402	161418	161419	161420	161460
161473	161506	161618	161619	161748	161777	161778
161784	161821	161827	161828	161836	161842	161844
161846	161847	161876	161877	161879	161954	161956
161957	161958	161959	161987	161992	162019	162086
162088	162089	162091	162098	162098	162099	162100
162115	162170	162276	162277	162279	162280.	

## RENEWAL FEES PAID

140475	141096	141786	142056	142510	142700	142859
143625	144195	144492	144647	145094	145817	145859
146591	146897	147262	147336	147467	147516	147754
147783	147791	147851	147954	148497	149016	149382
149925	150035	150213	150315	150319	150493	150622
150623	150628	150973	151025	151372	151767	151808
151958	152157	152245	152263	152296	152297	152362
152374	152467	152580	152593	152622	152623	152842
152870	153014	153015	153040	153121	153134	153193
153352	153450	153608	153692	153847	154126	154228
154243	154261	154470	154593	154718	154867	154882
154890	155036	155468	155491	155520	1555568	155576
155601	155604	155626	155641	156008	156092	156301
156310	156506	156645	156647	156713	156714	156719
156831	156870	157080	157206	157207	157387	157556
157702	157895	157958	158105	158198	158233	158292
158603	158714	159103	159329	159382	159401	159435
159444	159508	159633	159711	159768	159802	160082
160118	160122	160124	160125	160134	160136	160137
160238	160240	160243	160247	160249	160303	160306
160308	160310	160313	160318	160344	160350	160367
160370	160372	160375	160395	160411	160412	160414
160415	160416	160427	160432	160433	160434	160435
160436	160439	160440	160441	160484	160485	160487
160490	160491	160492	160494	160495	160496	160498
160499	160500	160501	160591	160596	160600	160601
160606	160607	160608	160609	160610	160621	160632
160636	160653	160655	160675	160702	160704	160705
160720	160793	160806	160809	160813	160817	160847
160854	160856	160896	160897	160899	160900	160953
160954	160962	160983	160994	160996	161012	161015
161016	161017	161018	161022	161028	161029	161030
161036	161045	161125	161184	161242	161253	161369
161370	161371	161391	161403	161440	161535	161554
161560	161571	161576	161578	161669	161676	161678
161680	161689	161690	161695	161698	161699	161760
161797	161812	161815	161818	161819.		

## CESSATION OF PATENTS

144325	144326	144327	144328	144329	144330	144331
144332	144335	144336	144337	144338	144339	144340
144341	144342	144343	144345	144346	144348	144349
144350	144351	144352	144353	144354	144355	144356
144360	144361	144363	144366	144369	144371	144374
144378	144379	144381	144383	144386	144388	144390
144391	144393	144396	144397	144401	144403	144404
144406	144409	144411	144413	144415	144416	144417
144418	144419	144420	144421	144425	144430	144431
144432	144433	144435	144437	144439	144441	144443
144444	144447	144448	144450	144451	144453	144454
144455	144458	144461	144463	144464	144465	144471
144472	144473	144475	144477	144478	144479	144480

144481 148482 144483 144484 144485 144486 144489  
 144490 144493 144494 144496 144500 144503 144504  
 144506 144508 144509 144510 144520 144521 144522  
 144524 144525 144526 144527 144529.

### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection of a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. Nos. 159505 & 159506. The Tata Iron and Steel Company Limited, Bombay House, 24, Homi Mody Street, Bombay-400 023, Maharashtra, India, an Indian Company. "Box Shaped Cog/Chock (Supporting Column or prop)". 21st March, 1988.

Class 1. No. 159849. Dripless Faucets (India) B-170-Okhla Industrial Area, Phase-I, New Delhi-110020, India. "Whirlpool Pump". 20th June, 1988.

Class 1. No. 159855. Dripless Faucets (India) B-170-Okhla Industrial Area, Phase-I, New Delhi-110020, India. An Indian Company. "Massage Shower". 20th June, 1988.

Class 1. No. 160199. Mrs. Sulekshana Sharma, trading as Shree Bhushan Industrial Enterprises, of P-9, Regent Estate, Calcutta-700092, West Bengal, India, an Indian National. "Bunker Roofings". 28th September, 1988.

Class 3. No. 159026. Duralium Corporation (India) a registered partnership firm, of G-89 Sarvodayanagar, 1st Panja-rapole Lane, Bombay-400 004, Maharashtra, India. "Insulated Jug". 16th November, 1987.

Class 3. Nos. 159617 to 159619. V. & E. Friendland Limited, a British Company, of Houldsworth Street, Raddish, Stockport, Cheshire, SK5 6BP, England. "a Unit for intercommunication system". Reciprocity date is 25th January, 1988. (U.K.).

Class 3. No. 159734. Ramesh Kumar trading as Disgnostix India C-3/13, Rana Pratap Bagh, Delhi-110007, India, an Indian National of the above address. "Needle". (for blood testing). 23rd May, 1988.

Class 3. Nos. 159934 to 159939. Bata India Limited, 20, Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "a sole for the footwear". 11th July, 1988.

Class 12. No. 159524. Rajesh Narang, Indian National, of 10th Floor, Mehta Mahel, 15, Mathew Road, Bombay-400 004, Maharashtra, India. "Toilet soap". 25th March, 1988.

*Extn. of Copyright for the Second period of five years.*

No. 153581.	Class-1.
Nos. 153650, 153651.	Class-3.
No. 53478.	Class-4.

### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with

the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classifications and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : GOIN 1/02

163838

DEVICE FOR AUTOMATICAL WITHDRAWAL OF GAUGED VOLUME OF SOLID PULVERULENT AND LIQUID OR GASOUS MATERIALS IN A WITHDRAWAL ZONE.

Applicant : OMYA S.A., OF 35, QUAI ANDRE CITROEN, 75725 PARIS CEDEX 15, FRANCE, A FRENCH COMPANY.

Inventor : CLAUDE CABANNES.

Application for Patent No. 353/Del/85 filed on 24th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

### 10 Claims

A device for an automatical withdrawal of a gauged volume of solid, pulverulent and liquid or gaseous materials from a withdrawal zone and for conditioning the withdrawn materials for purposes of analysis comprising :

- (a) A retractable cylindrical probe (7) in which there is provided a cavity (13) of specific capacity.
- (b) A retractable sleeve (18) coaxially disposed over the probe for permitting or preventing access to the cavity.
- (c) A closed chamber (1) in which the probe and sleeve are disposed for reciprocal movement into and out of the withdrawal zone, said chamber including means as herein described for conditioning the material withdrawn by the probe, where—
  - (i) the probe and sleeve are extended from the chamber into the withdrawal zone;
  - (ii) the sleeve is retracted to fill the cavity;
  - (iii) the sleeve may be extended to seal the cavity;
  - (iv) the probe and sleeve may be retracted from the withdrawal zone back into the closed chamber and finally;
  - (v) the sleeve may be retracted within the chamber to permit conditioning of the withdrawn material.

Compl. specn. 16 pages.

Drg. 4 sheets

CLASS : 163839 CLASS : 163841  
 Int. Cl.<sup>4</sup> : C07C 69/62. Int. Cl.<sup>4</sup> : F21L 19/00.

A PROCESS FOR THE PREPARATION OF CETYL CHLOROFORMATE.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE, REGISTERED UNDER THE SOCIETIES ACT.

Inventor : VED PRAKASH MALHOTRA, VIRENDRA KUMAR TANDON, UPENDRA KRISHAN SAROOP, RAJINDER KUMAR DIWAN AND MAHESH KUMAR BEHL.

Application for Patent No. 677/Del/85 filed on 20th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of cetyl chloroformate which comprises in adding phosgene into solution of cetyl alcohol at a temperature of 5° to 10°C for 3 to 4 hours and thereafter the temperature of the reaction medium is gradually raised to 20° to 35°C and maintained for a period of 4-6 hours said reaction temperature being maintained at the raised temperature till cetyl chloroformate and hydrochloric acid is formed, removing hydrochloric acid by washing with water.

Compl. specn. 6 pages.

CLASS : 163840 CLASS : 163842  
 Int. Cl.<sup>4</sup> : C07C 45/00. Int. Cl.<sup>4</sup> : C01D 3/04.

A PROCESS FOR THE PREPARATION OF DICETYL PEROXY DICARBONATE.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE, REGISTERED UNDER THE SOCIETIES ACT.

Inventor : VED PRAKASH MALHOTRA, VIRENDRA KUMAR TANDON, UPENDRA KRISHAN SAROOP, RAJINDER KUMAR DIWAN AND MAHESH KUMAR BEHL.

Application for Patent No. 678/Del/85 filed on 20th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of dicetyl peroxy dicarbonate which comprises in mixing cetyl chloroformate with a solvent as herein described, water and hydrogen peroxide to form a reaction medium, and then adding aqueous sodium hydroxide thereto such that the PH does not exceed 9.5 and that sodium hydroxide reacts with hydrogen peroxide to produce sodium peroxide in situ which reacts with cetyl chloroformate to produce dicetyl peroxy dicarbonate.

Complete specification 7 pages.

AN IMPROVED HURRICANE LANTERN.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : PREM NATH BHAMBHI, KIRPAL SINGH KAMBO & KULDEEP NARAIN DOBHAL.

Application for Patent No. 716/Del/85 filed on 30th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved hurricane lantern comprising a fuel tank having a burner fixed upon the fuel tank by a burner dome around a globe base plate, a burner glass globe kept in vertical position by globe holders characterised in that the globe base plate (18) and the top globe holder (16) are not perforated and the burner dome (7) is provided with perforations.

Compl. specn. 9 pages

Drg. 7 sheets

CLASS : 163842

Int. Cl.<sup>4</sup> : C01D 3/04.

PROCESS FOR THE REMOVAL OF IMPURITIES FROM SEA SALT AND SUB-SOIL BRINE SALT BY FLOATATION TECHNIQUE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : NARSINH NAROTTAMDAS UDWADIA, KAUSHIK JETHALAL LANGALIA AND GOPAL DATTATRAYA BHAT.

Application for Patent No. 781/Del/85 filed on 25th September, 1985.

Complete Specification left on 16th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for removal of impurities from sea salt and sub-soil brine salt by flotation technique which comprises :

- Crushing of solar dried salt in hammer mill to the point of liberation of impurities.
- Conditioning the crushed salt in a solution which is indifferent to salt and impurities of calcium with reagents such as herein described which are responsive to calcium impurities.
- Floating of the slurry and removal of impurities from the froth concentrates.
- Centrifuging the slurry, and
- Solar or tray drying of the centrifuged product.

The salt purified by this invention is useful in Chlor alkali industries, soap dyestuff and food industries.

Provisional specification 5 pages.

Complete specification 13 pages.

CLASS : 163843

Int. Cl<sup>4</sup> : C10G 11/02.

**PROCESS FOR A FLUID CATALYTIC CRACKING.**

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventors : ROBERT ALLEN LENGEWAN, GREGORY JOHN THOMPSON AND ANTHONY GRANVILLE VICKERS.

Application for Patent No. 1083/Del/85 filed on 18th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

In a process for fluid catalytic cracking of a high-coke-make hydrocarbon feedstock having a 50 volume percent distillation temperature greater than about 500°F (260°C) by contacting the feedstock at endothermic cracking conditions with a circulating, heated particle form, solid cracking catalyst whereby components of the feedstock are converted to lower boiling hydrocarbons in a reaction zone with concurrent cooling of the catalyst and deposition thereon of a deactivating carbonaceous contaminant, regenerating the catalytic cracking activity of the contaminated catalyst by burning carbonaceous deposits therefrom in a regeneration zone under exothermic conditions that result in the catalyst and the regeneration zone reaching an unacceptable or undesired maximum temperature condition, and thereafter circulating catalyst so reheated and regenerated from the regeneration zone to the reaction zone, wherein the improvement comprises, reducing the maximum temperature reached in the regeneration zone without reducing the amount of coke burned therein by simultaneously circulating, in admixture with the cracking catalyst, fluidizable low-coke-make solid particles, which comprises a refractory inorganic oxide and have a surface area of less than about 5m<sup>2</sup>/g and which generate less than about 0.2 weight percent coke in the ASTM standard method for testing fluid cracking catalysts by micro-activity (MAT), said solid particles being present in an amount sufficient to result in a ratio of low-coke-make solid particles to cracking catalyst from about 1 : 100 to about 10 : 1, thereby lowering the regeneration temperature from about 10°F to about 250°F (6 to 139°C) while simultaneously not affecting the operation of the reaction zone.

Compl. specn. 29 pages.

Drg. 1 sheet

12 Claims

Formulation of additives and additized carburant alcohol for direct utilization in Diesel engines, characterised by the presence of a nitric ester as active agent, a lubricant, an anti-corrosive and one or more coupling agents which render the final mixture homogenous and stable, either under room temperature or under low temperatures.

Complete specification 17 pages.

163845

Int. Cl<sup>4</sup> : C07C 2/08.

**PROCESS FOR THE PREPARATION OF DEHYDROGENATED HYDROCARBONS.**

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINS, ILLINOIS 60016, U.S.A.

Inventors : MARK JOSEPH O'HARA, TAMOTSU IMAI, JEFFERY CHRISTOPHER BRICKER & DAVID EUGENE MACKOWAIK.

Application for Patent No. 44/Del/86 filed on 16th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of dehydrogenated hydrocarbons such as herein described which comprises contacting a dehydrogenation zone effluent comprising a mixture of unconverted feed C<sub>2</sub>-C<sub>10</sub> hydrocarbons, corresponding dehydrogenated C<sub>2</sub>-C<sub>10</sub> hydrocarbons, hydrogen and steam with an oxygen-containing gas in the presence of an oxidation catalyst consisting essentially of a Group VIII noble metal, a Group IVA metal and a Group IA or IIA metal composited on an alumina support which has been calcined at a temperature in the range of from 900° to 1500°C prior to impregnation thereon of all of the metallic portions of said oxidation catalyst at oxidation conditions to selectively oxidize said hydrogen in said effluent to the substantial exclusion of oxidation of said unconverted and dehydrogenated hydrocarbons, withdrawing and recovering said dehydrogenated hydrocarbons.

Complete specification 26 pages.

CLASS : 163844  
Int. Class<sup>4</sup> : C10L 1/00.

**FORMULATION OF ADDITIVES AND FUEL ALCOHOL WITH ADDITIVE FOR USE IN DIESEL ENGINES.**

Applicant : OXITENO S.A. INDUSTRIA E COMERCIO, AVENIDA BRIG. LUIZ ANTONIO, 1343-BELA VISTA 7 ANDAR SAO PAULO-CEP 01317 (BRAZIL), A BRAZILIAN COMPANY.

Inventors : ALTAIR DE OLIVEIRA LIMA & AMADEU NUNES.

Application for Patent No. 1092/Del/85 filed on 20th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

CLASS : 163846  
Int. Cl<sup>4</sup> : A61K 33/06, 33/12.

**PROCESS FOR THE PREPARATION OF NEW ANTI-DIARRHEA COMPOSITIONS.**

Applicant : SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.), A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BLANCHE, 75016 PARIS, FRANCE.

Inventor : HARIDAYA BHARGAVA AND JACQUES JUTTEAU.

Application for Patent No. 423/Del/86 filed on 12 May, 1986.

Convention date May 15, 1985/No. 85 12345 (J.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 4 Claims

A process for the preparation of an anti-diarrhea composition containing diarrhea symptom-reducing amounts of a thermally activated, finely powdered, hydrous magnesium aluminium silicate clay belonging to the group of the attapulgites or to the group of the smectites as absorptive material capable of absorbing pathogenic intestinal bacteria, at least one sodium salt of the kind herein described, a potassium salt of the kind herein described and a sugar of the kind herein described which comprises mixing suspending agents of the kind described herein with said absorptive material, thereafter adding successively each of said salts to the mixture under continuous mixing and finally adding said sugar to the mixture also under continuous mixing.

Complete specification 18 pages.

#### 12 Claims

Process for preparing polyacrylonitrile shaped articles such as fibres, filaments, foils, tapes or films having a high tensile strength of above 0.8 GPA and high modulus above 16 GPA by forming a solution of polyacrylonitrile in a solvent such as herein described for making such a solution into articles consisting of the said solution, cooling the so formed articles and stretching them at an increased temperature wherein :

- to a 0.5—15% (wt) solution of polyacrylonitrile or a copolymer of acrylonitrile with at most 15% (wt) comonomer with a weight-average molecular weight of  $0.3 \times 10^6$  to  $10 \times 10^6$  in a solvent for the copolymer of acrylonitrile, a bivalent metal compound such as herein described which is soluble in the solution is added in a quantity of 0.01-0.2 per molacrylonitrile units;
- the solution thus obtained is formed at a temperature between 90°C and below the temperature at which a substantial thermal decomposition of the polyacrylonitrile will take place, into articles consisting of the solution;
- this article is cooled to below the gelation temperature,
- the gel article thus formed is freed of solvent and metal compound by a liquid extraction medium at a temperature below the dissolving temperature of the gel in a known manner,
- the article thus obtained is stretched at a temperature above the glass transition point of the polyacrylonitrile and below 180°C at a strength ratio of at least 10.

Compl. specn. 20 pages.

Drg. Nil.

**CLASS :** 163847

Int. Cl.<sup>4</sup> : A61K 9/06, 9/08.

**Title :** A PROCESS FOR THE PREPARATION OF A PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF ACNE VULGARIS (PIMPLES).

**Applicant & Inventor :** GURDEEP SINGH JOHAR, SUNIL BHAIYA, KANPUR TEST HOUSE, 118/23, NAZIRABAD, KANPUR-208012.

Application for Patent No. 900/Del/86 filed on 13th October, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 5 Claims

A process for the preparation of a pharmaceutical composition for the treatment of acne vulgaris (pimples) comprising :

- dissolving orthoboric acid and resorcinol in water;
- dissolving separately salicylic acid and betanaphthol in an organic solvent such as isopropanol or ethanol or mixture thereof; and
- mixing the solutions prepared in step (a) and (b), adding glycerine and an antiseptic dye.

Pharmaceutical composition of the invention used for the treatment of acne vulgaris (pimples).

Complete specification 9 pages.

**CLASS :** 163849

Int. Cl.<sup>9</sup> : F 16 L 21/04.

**SPRING WASHER COMPRESSION FITTING FOR BEING SEALINGLY CONNECTED TO A TUBE.**

**Applicant :** BUNDY TUBING OF INDIA LIMITED, TIAM HOUSE, 28, RAJAJI ROAD, MADRAS-600 001, TAMIL NADU.

**Inventors :** (1) DANNY BRYAN SUTTON, (2) LESTER BRUNO WRIGHT.

Application No. 959/Mas/84 filed December 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 12 Claims

A spring washer compression fitting for being sealingly connected to a tube of a given outside diameter, comprising : a first fitting element having a first end face and an internal first bore terminating at said first end face; said first bore being of a diameter sufficiently greater than the outside diameter of said tube to permit substantial relative angular misalignment therebetween;

a second fitting element having a second end face and an internal second bore terminating at said second end face;

said second bore being of a diameter sufficiently greater than the outside diameter of said tube to permit substantial relative angular misalignment therebetween;

at least one conical washer disposed between said first and second end faces;

said washer having an inner peripheral edge defining a central opening therethrough having a diameter slightly greater than the outside diameter of said tube; and

**CLASS :** 163848

Int. Cl.<sup>1</sup> : B 29D 7/00 B 29 K 33/20.

**PROCESS FOR PREPARING POLYACRYLONITRILE ARTICLES HAVING HIGH TENSILE STRENGTH AND MODULUS.**

**Applicant :** STAMICARBON B.V. (LICENSING SUB-SIDIARY OF DSM), A DUTCH COMPANY, OF P.O. Box 10, 6160 MC GELEEN, THE NETHERLANDS.

**Inventors :** (1) RONALD MICHAEL ALEXANDER MARIA SCHELLEKENS AND (2) PIETER JAN LEMSTRA.

Application No. 956/Mas/84 filed December 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

means operative between said first and second fitting elements to tightly and sealingly compress said washer between first and second end faces when actuated whereby said inner peripheral edge will contract into sealing engagement with a tube of said given diameter disposed therein eventhough said tube is angularly misaligned with said first bore

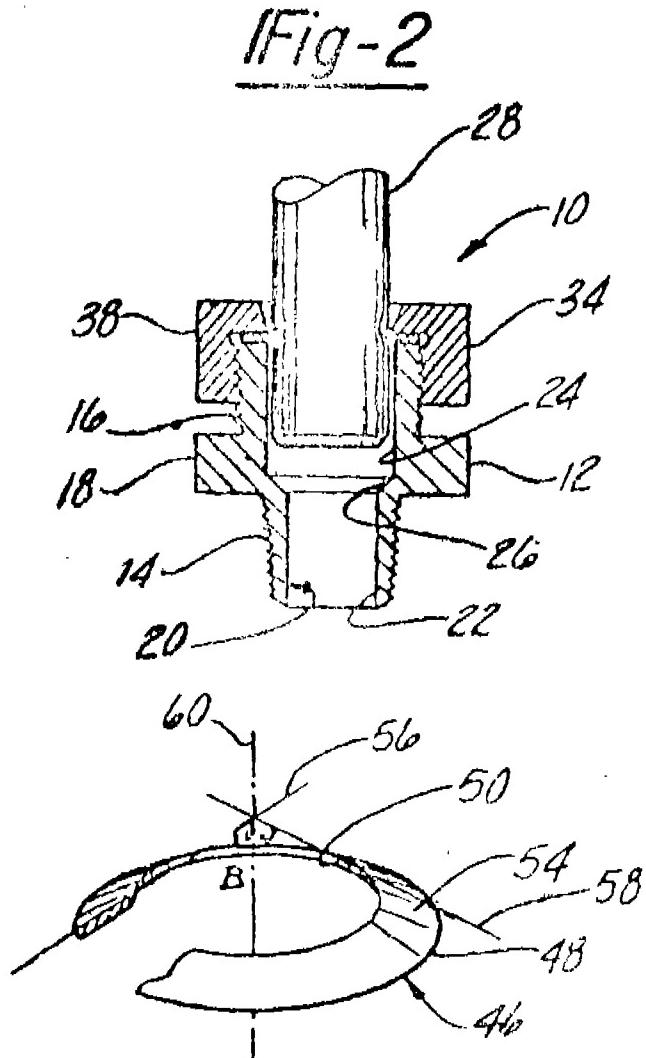


Fig-2

Compl. specn. 16 pages

Drg. 1 sheet

CLASS :

163850

Int. Cl.4 : B 01 D 5/00, 47/02.

**PROCESS AND APPARATUS FOR OBTAINING PURE GASEOUS FRACTION FROM GASEOUS MIXTURES.**

Applicant : LINDE AKTIENGESELLSCHAFT, OF 21 ABRAHAM-LINCOLN-STRASSE, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY. A GERMAN COMPANY.

Inventor : DR. HEINZ KARWAT.  
2-347GI/88

Application No. 981/Mas/84 filed 13 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

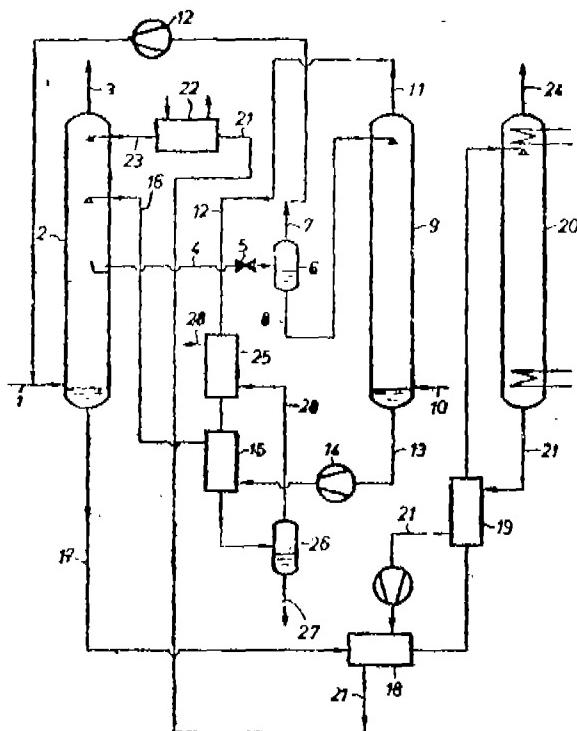
**6 Claims**

A process for obtaining pure gaseous fraction from gaseous mixtures comprising :

scrubbing the gaseous mixture with a physical solvent; regenerating resultant loaded solvent by subjecting at least a fraction of the loaded solvent to expansion and/or stripping to obtain a gaseous fraction and regenerated solvent;

recycling the regenerated solvent into the scrubbing steps;

characterized in cooling the said gaseous fraction in heat exchanger with non-thermally degasified regenerated solvent at a temperature of between —50° to —97°C to condense out entrained solvent vapors from the gaseous fraction.



Compl. specn. 12 pages

Drg. 1 sheet

CLASS :

163851

Int. Cl.4 : C 21 B 15/02, C 22 B 5/10.

**METHOD AND APPARATUS FOR REDUCTION OF METAL OXIDES.**

Applicant : THE UNION STEEL CORPORATION (OF SOUTH AFRICA) LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE REPUBLIC OF SOUTH AFRICA, OF GENERAL HERTZOG ROAD, THREE RIVERS, VEREENIGING, TRANSVAAL, REPUBLIC OF SOUTH AFRICA.

Inventor : JAN. CHRISTOFFEL DE WAAL, PETER WILJAM FNNIS BLOM.

Application No. 991/Mas/84 filed 14 December 1984.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

13 Claims

A method for the reduction of metal oxide comprising the step of reducing the metal oxide with a mixture of reducing gases comprising CO, H<sub>2</sub>, steam and/or CO<sub>2</sub>, wherein the mixture of carbonmonoxide and Hydrogen is obtained by heating in a plasma arc heater at least one compound selected from the group consisting of liquid petroleum gas, Sasol gas as herein defined, a hydrocarbon, finely ground coal, a coal derived compound obtained from a coal liquefaction process, char and charcoal and that the reduction temperature is at least 850°C.

Compl. specn. 15 pages

Drg. 1 sheet

CLASS : 163852

Int. Cl. : A 01 G 25/02.

DRIP IRRIGATION EMITTER APPARATUS.

Applicant : MAAN MECHANICAL WORKS, AN ISRAELI LIMITED COMPANY, OF KIBBUTZ NAAN 73263, ISRAEL.

Inventor : MOSHE GORNEY.

Application No. 1053/Mas/84 filed 28 December 1984.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

18 Claims

Drip irrigation emitter apparatus comprising :

a water inlet;

a water outlet; and

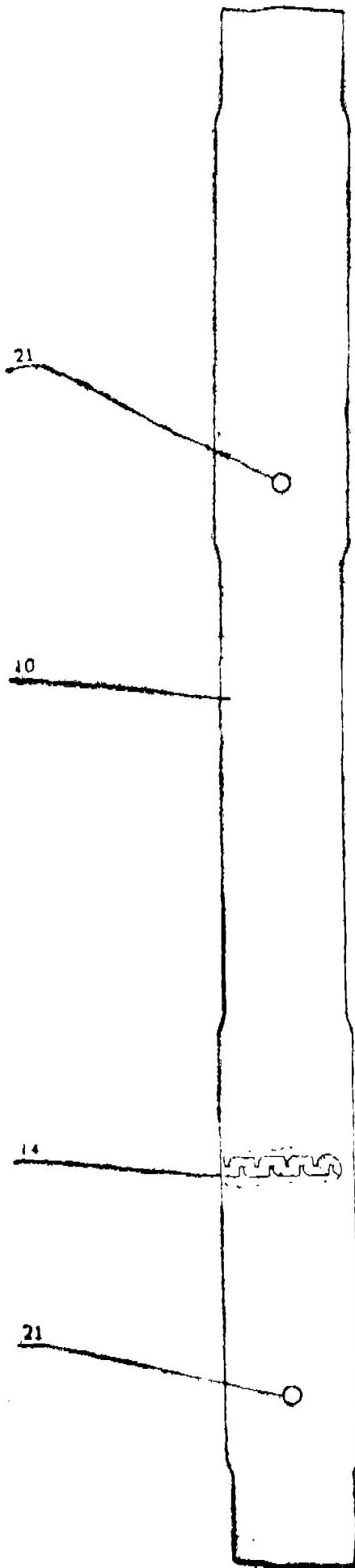
an elongated flowpath extending from said water inlet to said water outlet, said flowpath defining an entrance coupled to said water inlet and extending into a type one vortex region, said type one vortex region extending via an intermediate region into a type two vortex region, said type two vortex region extending via an intermediate region into a type one vortex region, and

wherein said type one vortex region comprises a region including a first rounded concave corner having a first radius of curvature and a first substantially pointed convex vertex to a first side of said first rounded concave corner, and

said type two vortex region comprises a second rounded concave corner having a second radius of curvature and a second generally pointed convex vertex to a second side of the second rounded concave corner.

Compl. specn. 20 pages.

Drgs. 7 sheets



CLASS :

163853

CLASS :

163854

Int. Cl. : G 02 B 17/00; 5/128.

## DIRECTIONALLY IMAGED SHEETING.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3M CENTER, SAINT PAUL, MINNESOTA 55144, UNITED STATES OF AMERICA.

Inventors : (1) ERIC NEIL HOCKERT, (2) BRUCE DAVID ÖRENSTEEN, (3) THOMAS IAN BRADSHAW, (4) FRANK ALAN BORGESON.

Application No. 1062/Mas/84 filed December 31, 1984.

Convention date : January 17, 1984; (No. 445, 455; Canada).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

## 16 Claims

Directionally imaged sheeting comprising a monolayer of transparent microlenses; a layer of transparent sheet covering at least the back surfaces of the microlenses; and at least one set of axial markings on the back surface of transparent sheet which are viewable as an image from the front of the sheeting within a selected range of angles.

Comp. specn. 21 pages.

Drgs. 3 sheets

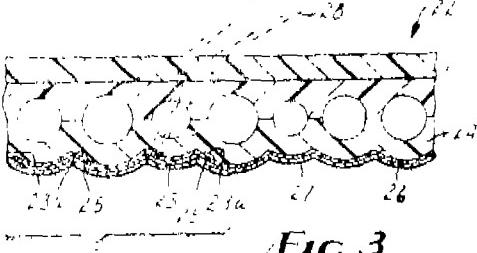


FIG. 3

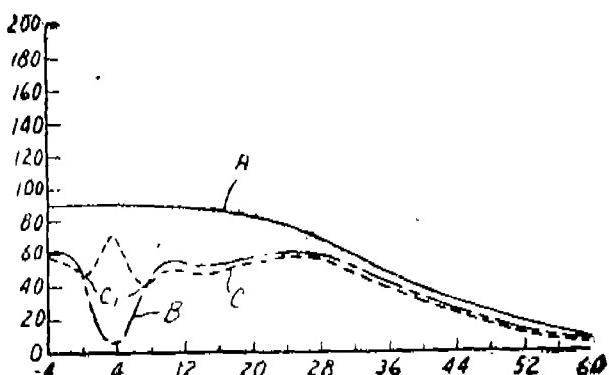


FIG. 6

Int. Cl. : H 04 J 7/00; 9/00.

## SYNCHRONOUS/ASYNCHRONOUS COMMUNICATION SYSTEM.

Applicant : FMC CORPORATION, A DELAWARE CORPORATION, HAVING EXECUTIVE OFFICES AT 200 EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventors : (1) KEITH S. CHAMPLIN, (2) ERNEST C. PREIMESBERGER, (3) JAMES D. SCHOPPENHORST.

Application No. 55/Mas/85 filed January 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 20 Claims

A synchronous/asynchronous data communications system wherein a plurality of user data sources originate and a plurality of user data sinks receive synchronous data occurring at predetermined times and asynchronous data occurring at random times, comprising :

a plurality of multiplex terminals in communication with ones of the system user data sources and sinks;

means in each of said plurality of multiplex terminals for assuming a configuration as a controller terminal for controlling the configuration of the data communications system;

a transmitter and a receiver in each of said terminals;

a data conveying path communicating said transmitter in one terminal with said receiver in an adjacent terminal;

whereby said terminals are serially coupled in a loop;

means in each terminal for accepting data from said receiver for transfer to user data sinks in communication therewith;

means in each terminal for transferring data from user data sources in communication therewith to said transmitter;

means for passing data between said user sources and said transmitter for passing synchronous data within each of said multiplex terminals during a first predetermined period and for passing asynchronous data outside said first predetermined period;

means in each multiplex terminal for appending asynchronous data transmissions with an access window signal immediately after each asynchronous data transmission;

means in each multiplex terminal for removing the access window signal from received data transmissions;

said removal occurring at terminals with data transmission ready from associated user data sources,

whereby a plurality of discrete asynchronous messages are placed serially on said data conveying path by a plurality of terminals during a single circuit of said loop by said messages; (means in each of said multiplex terminals for removing data from said conveying path which said multiplex terminal has transmitted and which has made a complete circuit of said loop;

means for providing periodic time periods of predetermined length during which synchronous transmission of user source data is accomplished on said conveying path;

random transmissions of user source data being accomplished on said conveying path during all other times.

FIG - 1

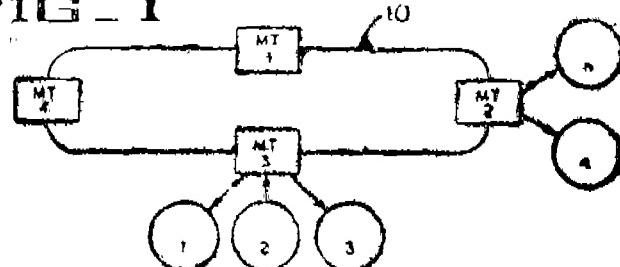
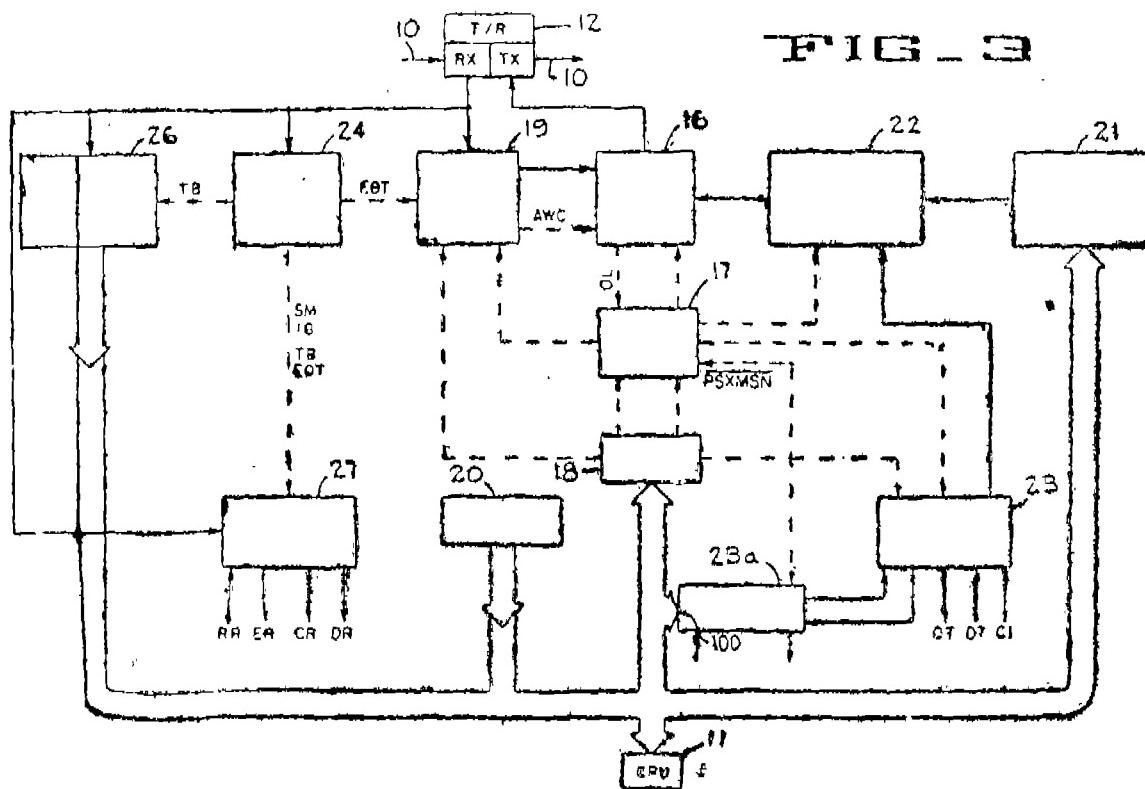


FIG - 3



Compl. specn. 78 pages

Drg. 9 sheets

CLASS :

163855

Int. Cl. : F 16 L 37/00; 27/08.

A CLAMP FOR APPLYING CLAMPING FORCES TO THE EXTERIOR SURFACE OF AN OBJECT HAVING A GENERALLY ARCUATE CROSS-SECTIONAL CONFIGURATION.

Applicants & Inventors : (1) GEORGE EDWARD ROBERTS, OF 2100 SOUTH OCHAN LANE, FORT LAUDERDALE, FLORIDA, U.S.A.; A CITIZEN OF U.S.A. AND (2) ROBERT LINCOLN WADDINGTON, OF 40, CHESTER SQUARE, LONDON, UNITED KINGDOM SW1; A CITIZEN OF UNITED KINGDOM.

Application No. 89/Mas/85 filed February 1, 1985.

Appropriate office for opposition proceeding: (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

46 Claims

A clamp for applying forces to the exterior surface of an object having a generally arcuate cross-sectional configuration, which comprises:

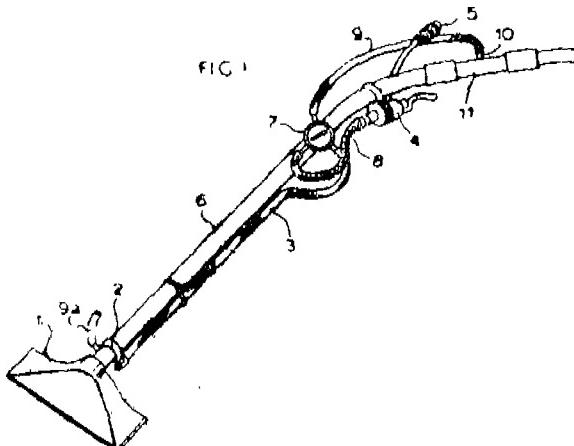
- (a) a flexible band in the form of an open ring having opposed end portions and defining an inner arcuate portion;
- (b) a first band end connected to a first end portion of said flexible band, said first band end having at least three inwardly projecting extensions; and
- (c) a second band end connected to the opposite end portion of said flexible band, said second band end having at least two extensions projecting inwardly toward said extensions of said first band end and configured to matingly engage therewith, said inwardly projecting extensions being configured, positioned and oriented such that when

said band ends are moved toward each other, said extensions become engaged with each other in a manner to maintain the clamp in a closed condition whereby said inner arcuate portion of said flexible band assumes a cross-sectional configuration corresponding to the cross-sectional configuration of the object to be clamped and contacts the outer surface thereof.

Compl. specn. 28 pages

Drg. 6 sheets

dirt which is flowing under the influence of vacuum and to deposit this entrained dirt into the vessel in a wetted condition.



CLASS :

163856

Int. Cl. : A 47 L 11/34.

#### APPARATUS FOR DRY OR WET VACUUM CLEANING.

Applicant : STEAM VACUUM EXTRACTION LIMITED, A BRITISH COMPANY, OF 289, CRICKLEWOOD BROADWAY, LONDON, ENGLAND.

Inventors : (1) DEREK ASHBY, (2) SAJJADALI GHULAMALI ALI, (3) RAYMOND JOHN FORWARD.

Application No. 96/Mas/85 filed February 6, 1985.

Convention date : February 16, 1984; (No. 8404051 Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 6 Claims

Apparatus for the dry or wet vacuum cleaning of carpets and other fabrics and surfaces by selective application thereto of vacuum only or vacuum and a cleaning liquid such as hot water or liquid detergent in which dirt from the fabric or surface becomes entrained, the apparatus comprising :

- a cleaning head intended to be applied to the fabric or surface;
- a liquid and dirt-collecting vessel;
- a first tube connected at one end to the cleaning head and at the other end to a liquid supply source;
- a second tube connected at one end to the cleaning head and at the other end to a liquid supply source;
- a second tube connected at one end to the cleaning head and at the other end to a source of vacuum and to the liquid and dirt-collecting vessel;
- at least one spray nozzle positioned between the cleaning head and the source of vacuum in the path of movement of dry dirt along the second tube and into the liquid and dirt-collecting vessel; and
- a conversion device comprising a two-way valve having an inlet tube connected to a liquid flow control valve and a pair of liquid outlet tubes of which one is connectable to said cleaning head and the other is connected to said spray nozzle;
- the conversion device being capable of manual operation between alternative positions to permit the liquid to flow to the cleaning head in one position and in the other position to permit the liquid to flow only to each spray nozzle to entrain the dry

Compl. specn. 10 pages

Drg. 2 sheets

CLASS :

163857

Int. Cl. : C 07 D 267/12.

#### A PROCESS FOR THE PREPARATION OF SUBSTITUTED OXAZEPINE DERIVATIVES.

Applicant : A. H. ROBINS COMPANY, INCORPORATED, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF VIRGINIA, U.S.A., OF 1405, CUMMINGS DRIVE, P.O. BOX 26609, RICHMOND, VIRGINIA 23261-6609, U.S.A.

Inventor : ALBERT DUNCAN CALE JR.

Application No. 834/Mas/86 filed October 24, 1986.

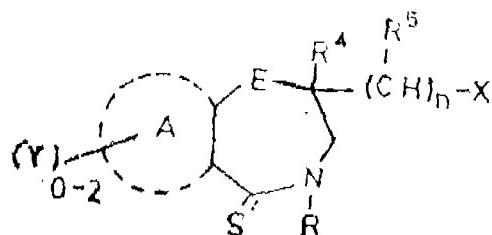
Divisional to Patent No. 161199 (65/Mas/85).

Ante-dated to 25th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 2 Claims

A process for the preparation of substituted oxazepine derivatives of the formula IIb of the accompanying drawings,



wherein:

A selected from an aromatic ring system having two of its carbon atoms held mutually with the oxazepine, thiazepine or diazepine moiety selected from benzene, a naphthalien, a quinoline, or a pyridine in any of its four positions, any of which ring systems are optionally substituted by 0-2 Y radicals selected from the group consisting of halo, loweralkyl, loweralkoxy, diloweralkylamino, nitro or trifluoromethyl;

E is oxygen;

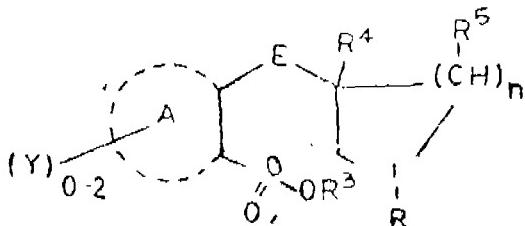
R is selected from the group consisting of lower-alkyl, cycloalkyl or phenyloweralkyl wherein phenyl is optionally substituted by one or two radicals selected from halo, loweralkyl, loweralkoxy, nitro or trifluoromethyl;

n is 1 or 2;

R<sup>4</sup> and R<sup>5</sup> are selected from hydrogen or loweralkyl (1-5C);

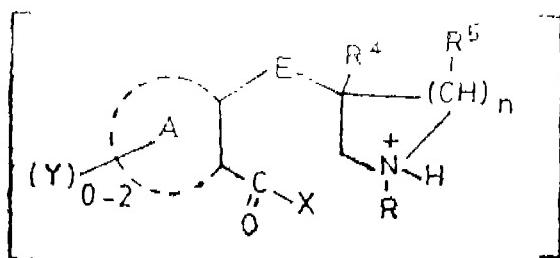
X=halo is selected from chlorine, bromine and the acid addition salts thereof, which comprises the steps of

Step (1) halogenating a compound of the formula IVB



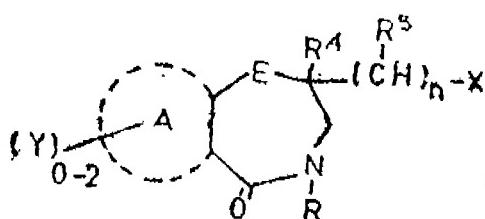
FORMULA - IV b

wherein A, E, R, n and Y are as defined above and R<sup>3</sup> is hydrogen or an acid salt neutralizing ion, and R<sup>4</sup> and R<sup>5</sup> are selected from hydrogen or loweralkyl (1-5C), to give an acid halide of the formula III of the drawings,



wherein X is chlorine or bromine and A, E, n, R and Y are the same as the starting values.

Step (2) fusing the compound prepared in Step 1 to give a compound of the formula IIa of the drawings



which is then reacted with a sulfurizing agent to get the compound of formula IIb.

The compounds prepared according to this invention have antihistaminic and antiallergy activity.

Com.—150 pages;

Drwgs. 3 sheets

CLASS :

163858

Int. Cl. : F 23 n 5/00.

INDUSTRIAL PROCESS CONTROL APPARATUS AND METHOD.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : RICHARD EDWARD PUTMAN.

Application No. 360/Cal/83 filed March 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Calcutta.

#### 9 Claims

Apparatus for the operational control of at least one non-linear industrial process including a variable task load having a control member operating in response to an input desired operation parameter, the apparatus comprising:

first means for providing feedback control of said control member in accordance with said desired operation parameter;

second means for sensing an external disturbance to said process operation;

third means providing a feed-forward first control signal in accordance with said external disturbance; and

fourth means responsive to said first control signal for providing a second control signal having a predetermined absolute lead/lag characteristic in accordance with the occurrence of said external disturbance; wherein

said first means is responsive to the provision of said second control signal for determining the operation of the control member.

Compl. specn. 41 pages

Drwg. 7 sheets

CLASS : 129-Q

163859

Int. Cl. : B 23 k 7/00.

#### CUTTING TOOL ATTACHMENT.

Applicant : TANJANT TOOL CO. AUSTRALIA PTY. LTD., OF 17TH FLOOR, 360 COLLINS STREET, MELBOURNE, IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

Inventor : ANTONY NEIL THURSTON.

Application No. 683/Cal/84 filed September 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims

An attachment for a cutting torch to permit cutting of circular holes from metal sheet, comprising a mounting frame comprising a pair of spaced parallel guide rods, a support member for pivotally supporting a cutting head of the torch, said support member extending transversely between the guide rods and being mounted for sliding movement along the guide rods, first and second mounting means each extending between the guide rods, said first mounting means being mounted for sliding movement along the guide rods, and said support member and said first mounting means being removable from the guide rods whereby the support member and said first mounting means may be interchanged in position on the guide rods, pivot means for supporting the frame for movement about an axis, and guide means for supporting the frame during such movement whereby the head is carried at a suitable height, said guide means, being removably mountable on one of said mounting means and said pivot means being removably mountable on the other of said mounting means.

Compl. specn. 12 pages.

Drwg. 3 sheets

CLASS : 155-F<sub>2</sub>

163860

Int. Cl. : E 04 c 2/00.

**IMPROVEMENTS IN OR RELATING TO A METHOD OF MANUFACTURING FIBRO CEMENT SHEETS.**

Applicant : VANAGALA PATTABHI OF 9/1 R. N. MUKHERJEE ROAD, CALCUTTA-700001, WEST BENGAL, INDIA.

Inventor : 1 CHALAPATHIRAO VEFRAMALLU.

Application No. 154/Cal/85 filed March 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**3 Claims**

Improvements in or relating to a method for the manufacture of fibro cement sheets which comprises preparing a slurry in water of opened or treated fibres mixing the said slurry with cement or similar binder material, followed by diluting the fibro cement slurry, if required, and thereafter feeding said fibro cement slurry into the vats of a conventional sheet making machine wherein a film of the fibro cement layer is formed on the sieve meshes of the rotary cylinders held in the said vats, thereafter transferring the said film to a felt/belt, thereafter subjecting the said film on said felt/belt to partial drying by applying vacuum and finally collecting the film on accumulator roll, the water recovered from the process being fed to a recuperating tank/tanks from where clear overflow water and the bottom water are reused in the process, and wherein in the instances of interruption in the process, the bottom water from the recuperating tank/tanks is discharged characterized by the improvement wherein said discharged water is sent to a recycling tank, the water so discharged to recycling tank containing solids is kept in an agitated condition so as to form a suspension of the solids in the water, the said suspension being sent for recirculation and reuse in the recuperating tank/tanks when plant is restarted after interruption thereby re-employing valuable solid material from the waste water in the manufacture of the fibro cement sheets.

Compl. specn. 11 pages.

Drg. 1 sheet

CLASS : 24-B & F.

163861

Int. Cl. : B 61 h 1/00.

**SECURING MEMBERS IN THE FORM OF SCREWS & NUTS FOR SECURING OR MOUNTING BRAKE PRESSURE PLATES, ESPECIALLY FOR RAIL VEHICLES.**

Applicant : KNORR-BREMSE GMBH, OF MOOSACHER STR 80, D-8000 MUNCHEN 40, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. MATHIAS SCHORWERTH.

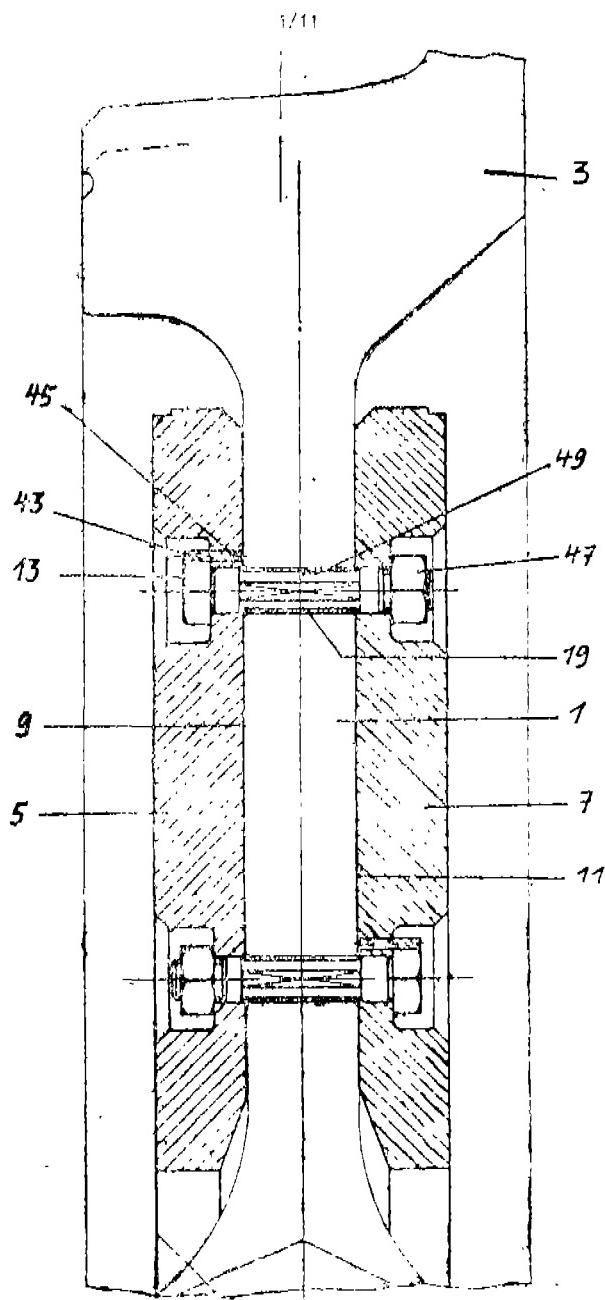
Application No. 200/Cal/85 filed March 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims**

Securing members in the form of screws and nuts for securing or mounting brake pressure plates for rail vehicles, wherein the screws are adapted to penetrate boreholes of brake pressure plate rings or sections respectively as well as boreholes of a supporting body for the brake pressure plates and permit a limited relative movement of the joined parts in relation to one another and wherein each said screw is in the form of sliding fit screw (13) and includes a sliding sleeve (19) adapt-

ed to guide said sliding fit screw in the borehole of the supporting body i.e. the wheel disc.



Compl. specn. 18 pages.

Drgs. 7 sheets

CLASS 63-D.

163862

Int. Cl. : H 02 k 5/04.

**IMPROVEMENTS IN OR RELATING TO INDUSTRIAL FAN MOTOR.**

Applicant : KHAITAN ELECTRICALS LIMITED, OF 46 C I L. NEHRU ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : 1. VINEY KUMAR MAINI, 2. VISHWANATH PPASAD.

Application No. 312/Cal/85 filed April 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An industrial fan motor of the type such as herein described, characterised in that the two end covers of the motor are made of sheet metal e.g. cold rolled and cold annealed mild steel sheet, with the housings for the bearings being formed integrally therewith on its upper surface by drawing/forging operation with the help of identical tool/dies, such that the said end covers and the said housings for bearings are equally dimensioned, and are symmetrical to each other to register in same alignment on the stator laminations, and to provide accurate bearing alignment for the motor shaft.

Prov. specn. 9 pages.

Drgs. 4 sheets

Compl. specn. 10 pages.

Drg. Nil

CLASS : 163863  
Int. Cl. : A 61 f 2/08.

A BIO-COMPATIBLE CONNECTIVE TISSUE PROTHESIS AND METHOD FOR MAKING THE SAME.

Applicant : JOHNSON & JOHNSON, OF ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ 08933-7003, U.S.A.

Inventor : 1. JITENDRA SHAMTILAL SHAH.

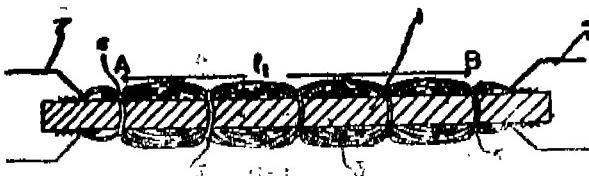
Application No. 497/Cal/85 filed July 3, 1985.

Convention dated 16th July, 1984 (84 18018) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A biocompatible connective tissue prosthesis comprising a first load bearing element such as medical grade silicone rubber filament, and a bundle of fine filaments such as herein defined, which are arranged to allow ingrowth of connective tissue, said filaments having a collective elastic modulus which is greater than the effective elastic modulus of the first element, and being attached to the first element at spaced points along their length, the length of filament between said points being greater than the unstressed length of the first element between said points, such that the filaments are substantially unstressed unless the load on the prosthesis exceeds a predetermined value.



Compl. specn. 13 pages.

Drgs. 5 sheets

CLASS 47-A & C. 163864

Int. Cl. : C 10 b 57/06.

IMPROVEMENT IN THE PRODUCTION OF METALLURGICAL COKE.

Applicant : CENTRO SVILUPPO MATERIALI SPA; OF VIA DI CASTEL ROMANO 100-102, ROME ITALY; DEL-TASIDERI SPA, OF VIALE DELLA RESISTENZA N. 2-PIOMBINO (LIVORNO), ITALY.

Inventors : 1. ANGELO COLLETTA 2. GIAN PAOLO GIROMILLA 3. LUIGI PALUMBO 4. MARIO LONDI

Application No. 538/Cal/85 filed July 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for the production of metallurgical coke, using pellets obtained by mixing :

(i) A low-quality coal selected among non-coking coals, slightly-coking coals, oxidized coking coals, coal, coke dusts and mixtures thereof, mixed at a concentration of from 50 to 90% by weight with coking coal;

(ii) A bridging liquid comprising coal tar, said liquid being added in an amount of from 7 to 15% by weight of the pellets to be produced out of the mixture, and then pelletizing the mixture;

the pellets so obtained ranging in size from 5 to 20 mm, being loaded into a coke oven along with coking coal so that the quantity of low-grade coal charged to the coke oven is from 30 to 50% by weight of the total amount of coal charged to the coke oven.

Compl. specn. 10 pages.

Drg. Nil

CLASS : 198-B. 163865

Int. Cl. : B 03 d 1/00.

AN IMPROVED METHOD OF BENEFICIATION OF HIGH CARBONATE PHOSPHATE ROCK MATERIAL.

Applicant : INTERNATIONAL MINERALS & CHEMICAL CORPORATION, AT 2315 SANDERS ROAD, NORTH-BROOK, ILLINOIS, U. S. A.

Inventors : 1. VIKRAM PRATAP MEHROTRA, 2. KALIDA KURICHI NARAYANAN SIVARAMAKRISHAN.

Application No. 568/Cal/85 filed August 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved method of beneficiation of high carbonate phosphate rock material which comprises preparing an aqueous slurry of rock phosphate, conditioning same with a phosphate depressant, followed by subjecting the conditioned slurry to floatation, characterized in that the aqueous slurry of rock phosphate is subjected to :

- (a) conditioning with an effective amount of  $\text{CO}_2$ , followed by;
- (b) adding to the conditioned aqueous phosphate rock slurry an effective amount of anionic collector to form a floatation feed; and
- (c) subjecting the floatation feed to froth floatation whereby the carbonate mineral impurities are concentrated in the froth.

Compl. specn. 15 pages.

Drg. Nil

CLASS : 163866

Int. Cl. : A 61 f 13/00.

PREF-EMBOSSED ABSORBENT COMPOSITE STRUCTURES.

Applicant : PERSONAL PRODUCTS COMPANY, VAN WEE AVENUE MILLTOWN, NJ 08850, U. S. A.

Inventor : MICHEAL J. ISKRA.

Application No. 573/Cal/85 filed August 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A perf-embossed absorbent composite structure comprising an absorbing layer comprised of a fibrous web such as herein described having an initial dry bulk of at least about 20 cc/gm, a dry bulk recovery of at least about 30% a wet bulk of at least about 30 cc/gm and a weight less than about 4 oz/yd and containing at least about 200% superabsorbent, and a wicking layer such as herein described, said structure having a Taber stiffness value less than about 30.

Compl. specn. 25 pages.

Drgs. 4 sheets

CLASS : 145-D & Q.

163867

Int. CL : D 21 f 1/38; D 21 g 3/04.

ROLLS FOR OPERATING AT A PREDETERMINED TEMPERATURE.

Applicant : BELOIT CORPORATION, OF P. O. BOX 350, BELOIT, WISCONSIN 53511, U. S. A.

Inventor : ANDRE ALLARD.

Application No. 692/Cal/85 filed October 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A roll for operating at a predetermined temperature comprising in combination :

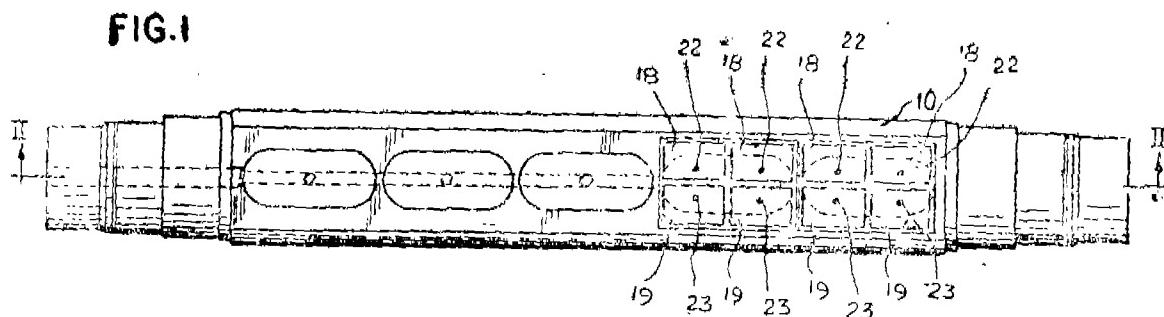
a rotatable roll having a cylindrical working face and a longitudinal axis;

a stationary shaft means for supporting the rotatable roll;

bearing means at each end of the roll between the shaft means and the roll, whereby an imaginary line which is perpendicular to the longitudinal axis and passes through a bearing does not pass through the working face;

an annular insulating fluid chamber adjacent each end of the roll shell between a respective bearing means and each respective end of the roll for reducing thermal transmission between the roll and bearing means.

means for delivering a heated fluid to the roll to maintain the roll at a working temperature, and means for delivering an insulating fluid separate from the heated fluid to each of said chambers for absorbing heat from the roll and preventing said heat from the heated fluid from reaching the bearing means.



Compl. specn. 15 pages.

Drgs. 2 sheets

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